

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) An air conditioner (1) comprising:
a plurality of utilization units; and (5), comprising:
a vapor compression type refrigerant circuit (10) ~~comprising:~~ including a high pressure unit (10a) ~~constituted by the connection of parts capable of~~ configured and arranged for flowing a high-pressure refrigerant at a maximum working pressure of 3.3 MPa or higher; and a low pressure unit (10b) ~~constituted by the connection of parts capable of~~ configured and arranged for flowing only a low-pressure refrigerant at a maximum working pressure of less than 3.3 MPa; ~~and~~
an accumulator (25) ~~that is one of the parts constituting said low pressure unit~~ including an accumulator being and is capable of configured and arranged for pooling refrigerant that circulates inside said vapor compression type refrigerant circuit as a liquid refrigerant, and;
~~wherein,~~
the said refrigerant that flows through said low pressure unit and said high pressure unit is being one of a pseudo azeotropic refrigerant, an azeotropic refrigerant, ~~or~~ and a single refrigerant having saturation pressure characteristics higher than R407C.

2. (Currently Amended) An air conditioner (1), comprising:

a compressor (21) ~~that compresses~~ configured and arranged to compress low-pressure gas refrigerant and ~~discharges~~ discharge high-pressure gas refrigerant, said compressor having an inlet side and a discharge side;

a heat source side heat exchanger (23) ~~capable of functioning~~ configured and arranged to operate as at least one of an evaporator or and a condenser, said heat source side heat exchanger having a gas side;

a plurality of utilization side heat exchangers (52) mutually connected in parallel and having a gas side, and each ~~capable of functioning of the utilization side heat exchangers~~ being configured and arranged to operate as at least one of a condenser or as and an evaporator;

expansion mechanisms (24, 51) connected between said utilization side heat exchangers and said heat source side heat exchanger;

a switching mechanism (22) ~~capable of~~ configured and arranged for switching between a state ~~wherein the~~ in which said gas side of said heat source side heat exchanger is connected to ~~the~~ said discharge side of said compressor, ~~the~~ said inlet side of said compressor is connected to ~~the~~ said gas side of said utilization side heat exchangers; and low-pressure gas refrigerant is sucked into ~~the~~ said compressor, and a state ~~wherein the~~ in which said gas side of said heat source side heat exchanger is connected to ~~the~~ said inlet side of said compressor, ~~the~~ said discharge side of said compressor is connected to ~~the~~ said gas side of said utilization side heat exchangers; and high-pressure gas refrigerant flows to said utilization side heat exchangers; and

an accumulator (25) connected between said switching mechanism and the said inlet side of said compressor, ~~and capable of~~ said accumulator being configured and arranged for pooling low-pressure refrigerant as a liquid refrigerant;
~~wherein,~~

~~the low pressure unit (10b), which includes said accumulator, and is constituted by the connection of said switching mechanism and the~~ said inlet side of said compressor forming a low pressure unit, and ~~an flow~~ which is configured and arranged for flowing only low-pressure refrigerant at a maximum working pressure of less than 3.3 MPa;

~~the high pressure unit (10a), which is a part that excludes said low pressure unit and is constituted by the connection of said compressor, said heat source side heat exchanger, said plurality of utilization side heat exchangers, and said switching mechanism~~ forming a high pressure unit, and ~~an flow~~ which is configured and arranged for flowing high-pressure refrigerant at a maximum working pressure of 3.3 MPa or higher; and

~~the said~~ refrigerant that flows through said low pressure unit and said high pressure unit is being one of a pseudo azeotropic refrigerant, an azeotropic refrigerant, ~~or~~ and a single refrigerant having saturation pressure characteristics higher than R407C.

3. (Currently Amended) The air conditioner (1) as recited in ~~Claim~~ claim 2, further comprising:

a heat source side temperature detector (29) ~~that detects~~ configured and arranged to detect a refrigerant temperature on ~~the~~ a liquid side of said heat source side heat exchanger (23);

a utilization side temperature detector ~~(53)~~ that detects configured and arranged to detect a refrigerant temperature on ~~the~~ a liquid side of each of said utilization side heat exchangers ~~(52)~~; and

a high pressure pressure detector ~~(28)~~ that detects configured and arranged to detect a refrigerant pressure on ~~the~~ said discharge side of said compressor, ~~(21)~~;

~~wherein,~~

based on ~~the values of the~~ detected values of said refrigerant temperature and ~~the~~ said refrigerant pressure detected by said heat source side temperature detector, said utilization side temperature detectors, and said high pressure pressure detector, ~~the opening~~ each of said expansion mechanisms ~~(24)~~ having an opening that is regulated so that ~~the~~ said liquid refrigerant on ~~the~~ said liquid side of said heat source side heat exchanger reaches a prescribed subcooled state when said heat source side heat exchanger functions as a condenser, ~~and the~~ said opening of each said expansion mechanisms ~~(51)~~ is regulated so that ~~the~~ said liquid refrigerant on ~~the~~ said liquid side of each said utilization side heat exchanger reaches a prescribed subcooled state when said utilization side heat exchanger functions as the condenser.

4. (Currently Amended) The air conditioner ~~(1)~~ as recited in claim 1 ~~any one claim of Claim 1 through Claim 3~~, wherein

the said refrigerant that flows through said low pressure unit ~~(10b)~~ and said high pressure unit ~~(10a)~~ includes R32.

5. (Currently Amended) The air conditioner ~~(1)~~ as recited in claim 1 ~~any one~~
~~claim of Claim 1 through Claim 3~~, wherein

~~the said~~ refrigerant that flows through said low pressure unit ~~(10b)~~ and said high
pressure unit ~~(10a)~~ ~~is~~ includes R410A.

6. (New) The air conditioner as recited in claim 2, wherein
said refrigerant that flows through said low pressure unit and said high pressure unit
includes R32.

7. (New) The air conditioner as recited in claim 3, wherein
said refrigerant that flows through said low pressure unit and said high pressure unit
includes R32.

8. (New) The air conditioner as recited in claim 2, wherein
said refrigerant that flows through said low pressure unit and said high pressure unit
includes R410A.

9. (New) The air conditioner as recited in claim 3, wherein
said refrigerant that flows through said low pressure unit and said high pressure unit
includes R410A.